



INDIAN RIVER COUNTY, FLORIDA DEPARTMENT OF UTILITY SERVICES

DATE: May 10, 2019

TO: Jason E. Brown, County Administrator

FROM: Vincent Burke, P.E., Director of Utility Services

THRU: Arjuna Weragoda, P.E., Capital Projects Manager
John Boyer, P.E., Utilities

PREPARED BY: Art Pfeffer, Project Specialist

SUBJECT: Utility Construction Standards, May 2019

BACKGROUND AND ANALYSIS:

Given that industry standards are constantly changing, an update to the Utility Construction Standards is essential in order to stay in conformance with regulatory agencies as well as conforming to guidance from established industry groups such as the American Water Works Association (AWWA). The infrastructure dedicated to the Indian River County Department of Utility Services (IRCDUS) with updated changes will be of a quality that will potentially minimize future maintenance and replacement costs. In so doing, new facilities accepted by IRCDUS will not burden existing customers due to premature failure. Additionally, the procedures contained in the updates provide a detailed description of IRCDUS administrative requirements. This allows projects to be completed as expediently as possible and permits staff to treat all new projects/customers in a uniform and non-discriminatory manner. Staff evaluates new products and solicits input from product manufacturers and accepts those with merit. Incorporating this kind of change offers a clear and consistent guideline to a contractor providing building services in the County. Similarly, for the Utility Inspector, the construction standards provide a minimum acceptable installation requirement. Ultimately, IRCDUS customers benefit from a reliable system. On March 13, 2018, the Indian River County Board of County Commissioners (BCC) approved the Department of Utility Services, Water, Wastewater and Reclaimed Water Utility Construction Standards – March 2018.

Engineering and Operations staff have reviewed the March 2018 Standards and completed a mostly administrative revision. The (AutoCad) Drawings were revised for technical accuracy, style and syntax. Each drawing has been formatted using a template with standard layer properties and a uniform font size for notes and dimensions. The revisions to the written specifications consist of material or appurtenances to be used. No new products were specified that would cause an increase in construction cost. The current drawings and specifications (2018) were marked in red-line. The revisions (2019) were completed. Each version was saved in a side-by-side layout for a comparison review. On February 20, 2019, a memo was sent via e-mail to local

developers and engineering firms seeking review and comment to the proposed 2019 Revisions. A copy of the memo, a fillable comment form, documentation of the revision and the side-by-side proposed revisions were made available on a flash drive for pick-up at our office or on-line at an IRCDUS Drop Box site. The period for public comment ended on March 19, 2019, at 11:00 am. IRCDUS received no comments.

The intent and technical integrity of the document provides a minimum standard and serves as a guide for the construction of water, wastewater and reclaimed water utilities. A list of the 2019 revisions is documented in Attachment A. When approved, the revised standards will be posted on the IRCDUS website (www.ircutilities.com) and will be available to the public for review and downloading in a portable document format (PDF).

Should there be a need for revisions next year, below is a tentative schedule to be followed for the update:

Standards Update Task	Schedule
Draft of the Updates/Revisions	January 2020
Submit of the updates/revisions for comments	February 2020
Receive comments	April 2020
Submit for BCC approval/adoption	May 2020

FUNDING:

Funds are not required for the subject task.

RECOMMENDATION:

Staff recommends that the Board of County Commissioners approve adoption of the Indian River County Department of Utility Services Water, Wastewater and Reclaimed Water Construction Standards – May 2019, as presented.

ATTACHMENTS:

Attachment A – List of Revisions to Standards